

State of Alaska
Department of Fish and Game
Nomination for Waters
Important to Anadromous Fish

CRD-01 HENRY-01
Segments 0-01/0-02 MAINSTON

AWC Volume SE SC SW W AR IN USGS Quad Cordova B-6

Anadromous Water Catalog Number of Waterway 212-10-10078

Name of Waterway _____ USGS name _____ Local name _____

Addition X Deletion _____ Correction _____ Backup Information _____

For Office Use

Nomination # <u>94 207</u>	<u>[Signature]</u>	<u>11/14/94</u>
Revision Year: <u>94</u>	Regional Supervisor	Date
Revision to: Atlas _____ Catalog _____	<u>Ed Wein</u>	<u>1/6/94</u>
Both <u>X</u>	<u>2 drone</u>	<u>2/9/94</u>
Revision Code: <u>A-2</u>	Drafted	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Migration	Anadromous
Pink Salmon - Adults	8-25-93	46			✓
Coho - Juvenile	8-25-93		75 + est.		✓
Cutthroat Trout - Juvenile	8-25-93		1		
Dolly Varden - Adult	8-25-93			20 +	

IMPORTANT: Provide all supporting documentation that this water body is important for the spawning, rearing or migration of anadromous fish, including: number of fish and life stages observed; sampling methods, sampling duration and area sampled; copies of field notes; etc. Attach a copy of a map showing location of mouth and observed upper extent of each species, as well as any other information such as: specific stream reaches observed as spawning or rearing habitat; locations, types, and heights of any barriers; etc.

Comments: A foot survey was conducted from the intertidal zone to the barrier at the upper extent of observed salmon. Adult pink salmon^{and Dolly varden} were visually identified and enumerated. Juvenile coho fry were captured by dipnet to establish positive identification. A complete count of juvenile coho was not undertaken. One juvenile cutthroat trout was captured by dipnet. Forty-five of the forty six pink salmon enumerated were found in the lower stream segment (0-01). Coho fry were found up to the barrier which is a logjam, 2 meters in height. The stream width is 5 meters at the mouth, 4 meters at the upper extent. Gradient is 1 percent in the lower segment (0-01) and 3 percent in the upper segment (0-02)

Name of Observer (please print) JEFF BARNHART ALASKA DEPT. OF FISH & GAME

Date: 10-6-93 Signature: [Signature]

Address: 333 Raspberry Road NOV 03 1993

Anchorage AK REGION II AND RESTORATION

This certifies that in my best professional judgement and belief the above information is evidence that this waterbody should be included in or deleted from the Catalog of Waters Important for Spawning, Rearing or Migration of Anadromous Fishes per AS 16.05.870.

Signature of Area Biologist: _____

Rev. 7/93

STREAM HABITAT ASSESSMENT 1993 - SEGMENTS

STREAM: CRD 01 HENEY-01 SEGMENT: 0-02 DATE: 8/25/93 TEAM: JB/DG
 ANADROMOUS: ☒ n WIDTH (m): 6-4 LENGTH (m): _____ GPS DATE: 8/25 DIGITIZE: y n
 WATERBODY: mainstem tributary lake/pond wetland intertidal other: _____

FISH					WILDLIFE		
SPECIES	STAGE (A J U)	COUNT	METHOD (E V D)	COMMENTS	SPECIES	COUNT	COMMENTS
Coho	J	2	D		Diaper	1	
Coho	J	60+	D		Stellar's Jay	1	
Pink	A	1	D	4" Long (Above log jam)			
Arctic char	J	1	D				
Polly warden	J	1	D				

GRADIENT(%): 3 CHANNEL PROFILE: ☒ A ☐ B ☐ C ☐ D ☐ E ☐ F

CHANNEL PATTERN: ☒ single ☐ multi ☐ braided

STREAM SUBSTRATE: (rank three most predominant types) BEDROCK _____ BOULDER _____ RUBBLE 3 COBBLE 1
 GRAVEL 2 SAND _____ MUD/SILT _____ ORGANICS _____ OTHER: _____

STREAM COVER TYPE: ORGANIC DEBRIS _____ DEAD BRANCHES/TWIGS ☒ LOGS _____ BOULDERS ☒
 CUT BANK ☒ OVERHANGING VEGET. ☒ OTHER: _____

STREAM COVER ABUNDANCE: none low medium ☒ high

RIPARIAN VEGETATION (three most abundant plants in order of dominance) within 20m of the banks:

OVERSTORY: Hemlock Spice
 UNDERSTORY: Devils club Alder Blackberry

CANOPY ABOVE STREAM: none low ☒ medium high

GROWTH: ☒ mature ☐ secondary ☐ shrubs ☐ meadow ☐ muskeg ☐ intertidal

TOTAL BARRIER? ☒ n BARRIER TO SPECIES: All ☒ adults ☐ juveniles

TYPE: fall slide beaverdam ☒ log jam spring substrate HEIGHT (m): 2 DIST. FROM UPPER EXTENT (m): 0

PHOTO ROLL(s): <u>JB04</u>		VIDEO TAPE(s): _____	
FRAME	DESCRIPTION	DATE	DESCRIPTION
11	Lower portion of segment looking upstream		
12+13	photo of coho captured above log jam		

Substrate: Bedrock (solid) Boulder >1' Rubble 6-12" Cobble 2-6" Gravel .1-2" Sand <.1"
 (Please enter comments on the other side)

93 - SEGMENTS

STREAM: CRD 01 ^{HEWY-01} SEGMENT: 0-01 DATE: 8/25/93 TEAM: JB/DG
ANADROMOUS: y WIDTH (m): 5 - 6 LENGTH (m): _____ GPS DATE: 8/25 DIGITIZE: y
WATERBODY: mainstem tributary lake/pond wetland Intertidal other: _____

Add 8 conc Juv
To original data
Form. 9B.

[illegible]

GRADIENT(%): 1 CHANNEL PROFILE:      

CHANNEL PATTERN: (single) multi braided

STREAM SUBSTRATE: (rank three most predominant types) BEDROCK ___ BOULDER ___ RUBBLE ___ COBBLE 2
GRAVEL 1 SAND ___ MUD/SILT 3 ORGANICS ___ OTHER: _____

STREAM COVER TYPE: ORGANIC DEBRIS _____ DEAD BRANCHES/TWIGS _____ LOGS _____ BOULDERS _____
CUT BANK ☒ OVERHANGING VEGET. ☒ OTHER: _____

STREAM COVER ABUNDANCE: none low medium high

RIPARIAN VEGETATION (three most abundant plants in order of dominance) within 20m of the banks:

OVERSTORY: Hemlock spruce
UNDERSTORY: Alders willow

CANOPY ABOVE STREAM: none (low) medium high

GROWTH: (mature) secondary shrubs meadow muskeg intertidal

TOTAL BARRIER? yn BARRIER TO SPECIES: _____ adults juveniles

TYPE: fall slide beaverdam logjam spring substrate HEIGHT (m): ____ DIST. FROM UPPER EXTENT (m): ____

PHOTO ROLL(s): DB 04

VIDEO TAPE(s):

[illegible]

Substrate: Bedrock (solid) Boulder >1' Rubble 6-12" Cobble 2-6" Gravel .1-2" Sand <.1"
(Please enter comments on the other side) *Comments*

STREAM HABITAT ASSESSMENT 1993 - STREAMS

STREAM: CRD-1 HENEY-01 QUAD: Cordova B-6 STAGE: HCM L
 LANDOWNER: Chenega CAC Eyak Tatitlek Pt. Graham English Bay (circle one)
 DATE(s): 8/25/93 UTM ZONE: 6
 GPS FILES: B082521 E

SKETCH (indicate UTM zones, if not uniform throughout the stream)

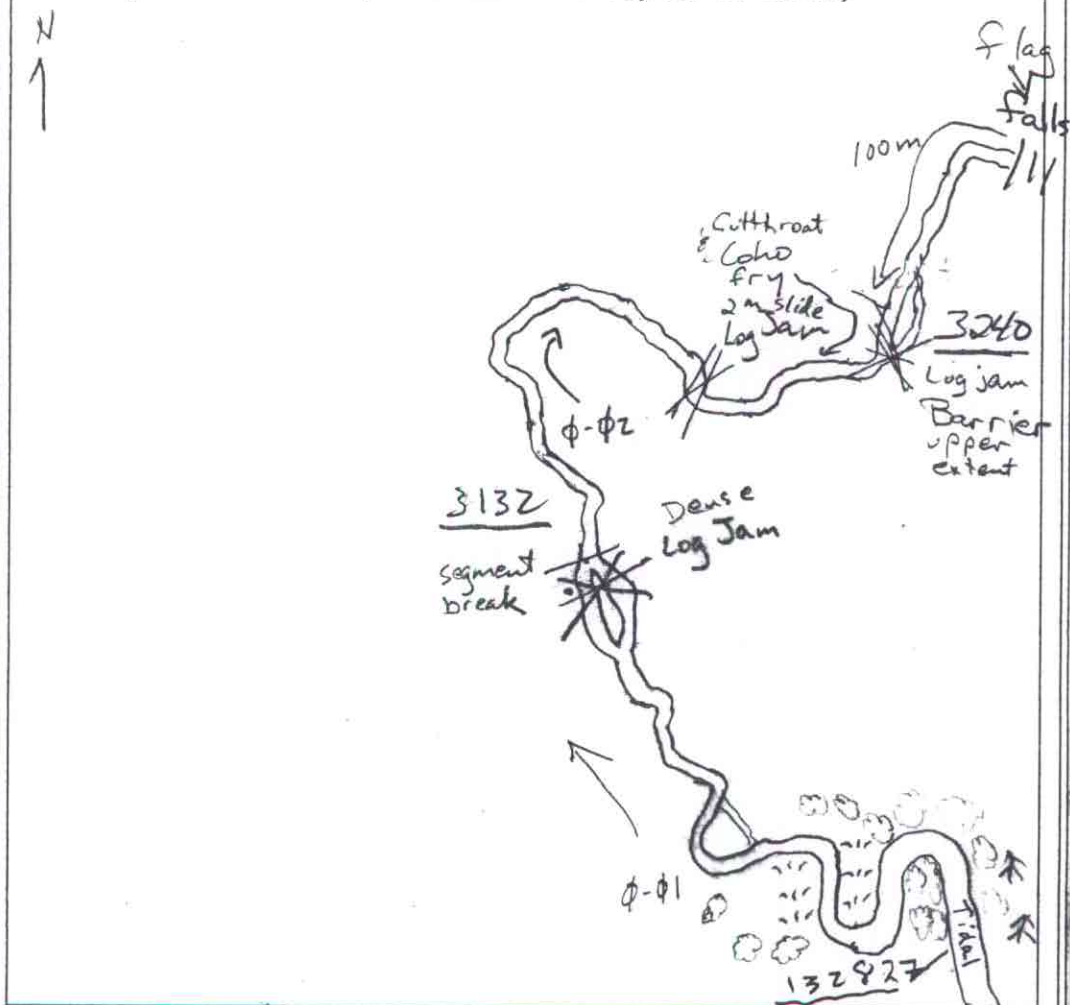
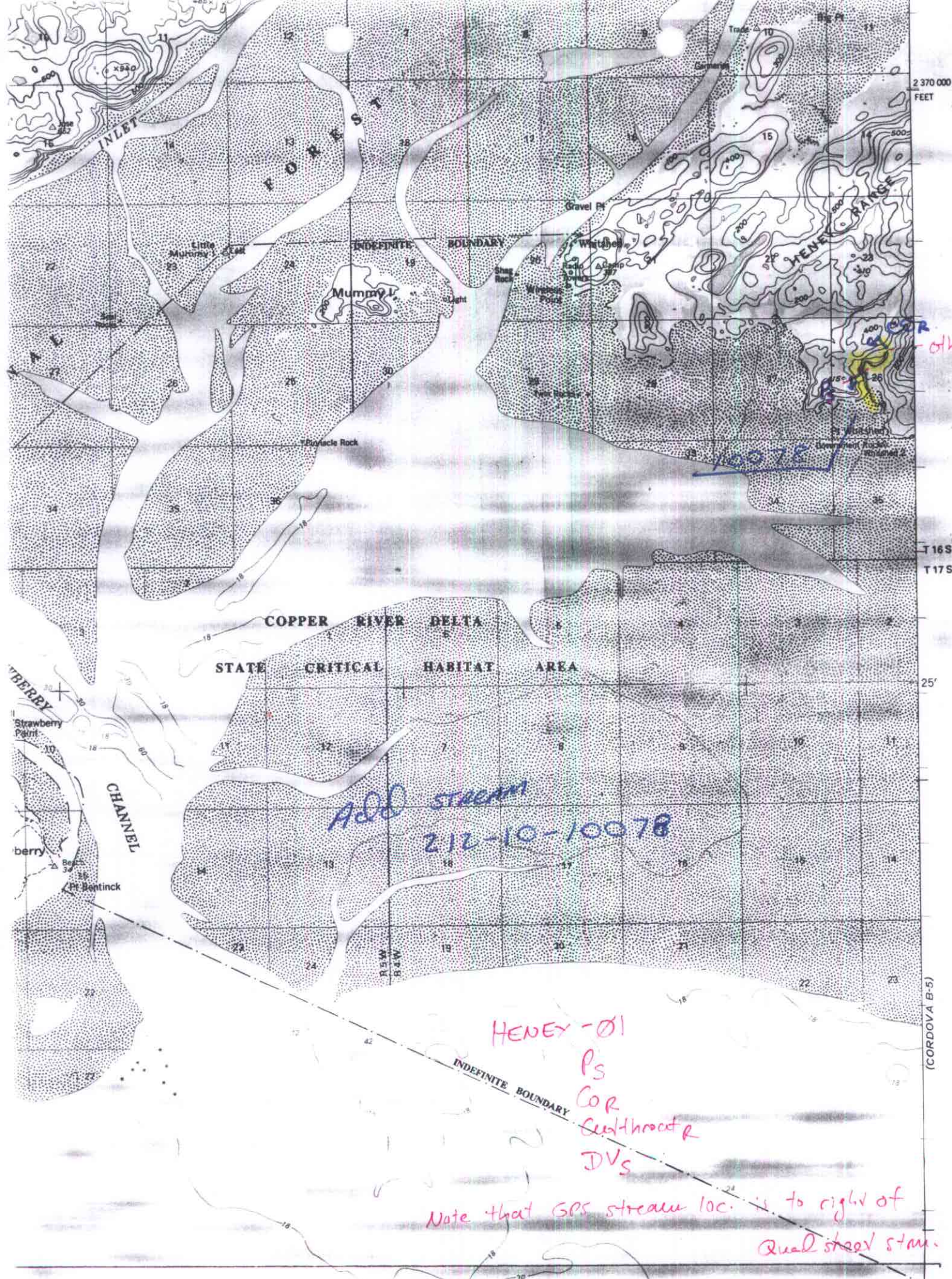


PHOTO ROLL(s):		VIDEO TAPE(s): <u>WG1</u>	
FRAME	DESCRIPTION	DATE	
		<u>8/25</u>	<u>lower portion phi-phi 2</u>

(Please enter comments on the other side)



2 370 000
FEET

T 16 S
T 17 S

(CORDOVA B-5)

ADD STREAM
212-10-10078

HENEX-01
Ps
Cor
Southwest
DVs

Note that GPS stream loc. is to right of
quad steel stam.

MEMORANDUM

State of Alaska

DEPARTMENT OF FISH & GAME

TO: Ed Weiss
Habitat Biologist
Region II
Habitat and Restoration Division
Department of Fish and Game

DATE: November 3, 1993

FILE NO.:

TELEPHONE NO.: 267-2295

SUBJECT: Anadromous Stream
Nominations
and Corrections
Project R-51

FROM: Kathrin Sundet
Habitat Biologist
Region II
Habitat and Restoration Division
Department of Fish and Game

Attached are anadromous stream nominations and corrections to be included in the Anadromous Waters Catalog for 53 streams surveyed in the fall of 1993 on private lands held by the Tatitlek and Eyak Native Corporations in northeast Prince William Sound.

Streams were surveyed by the Alaska Department of Fish and Game, Habitat and Restoration Division personnel, Kathrin Sundet, Jeff Barnhart, Dan Grey, and Wes Ghormley as part of Exxon Valdez Oil Spill Restoration project R-51 aka SHA (Stream Habitat Assessment).

Streams were surveyed on foot from the intertidal zone to the upper extent of anadromous fish distribution. Adult salmon and Dolly Varden were visually identified and enumerated. Juvenile salmon were visually identified in the stream, and then captured by electroshocking, dipnet, or minnow trap to confirm identification. Sampling was conducted periodically along the stream to determine the presence of juvenile salmon. No attempt was made to determine the rearing population sizes of juvenile salmon, or to determine the total escapement of adult salmon in a stream.

Stream data are on file at the Alaska Department of Fish and Game, Habitat and Restoration office, 333 Raspberry Road, Anchorage, Alaska.

There substantial discrepancies among shorelines on the USGS quad sheets, the DNR shoreline, and observed shorelines in this area. In some cases I have attached enlarged plots generated from GPS data and the DNR shoreline to the nomination form in order to illustrate the differences.

Attachments

cc w/o Attachments: Lance Trasky
Don McKay
Mark Kuwada